Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

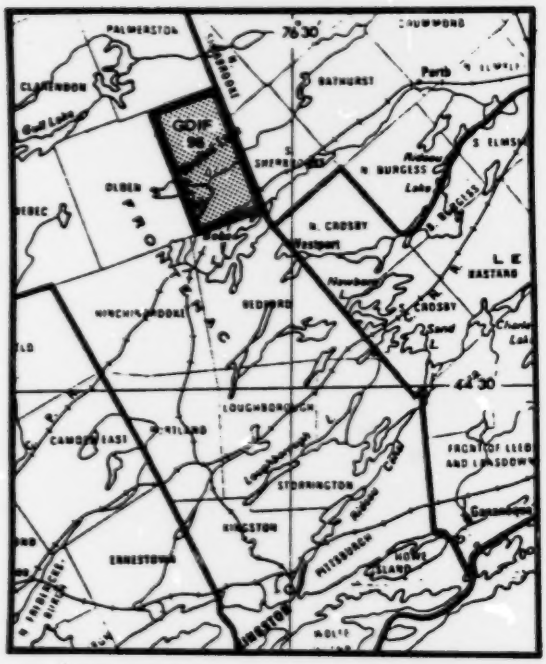
ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 95

OSO TOWNSHIP

FRONTENAC COUNTY

Compiled by the Staff of
the Resident Geologist's Office,
Tweed



LOCATION MAP

Scale 1:1 013 760 or
1 inch to 16 miles

NTS Number 31C/15, 31C/10

Mining Claim Map Number 138

This project was funded by the Mining Sector Work Program under the sponsorship of Barrie Township.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1984: Oso Township; Frontenac County; Ontario Geological Survey Geological Data Inventory Folio 95, Compiled by the staff of the Resident Geologist's office, Tweed, 20 pages and 2 maps.

Original Compilation by: D. Marek, January 23, 1983.

Date	Page Revised	Revised by
Apr/84	Inclusive	D.H.

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.606 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.M.
2	Assessment Files Research Office, Toronto	Yes	D.M.
3	ODM General Index; 7 volumes	Yes	D.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	D.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.M.
6	ODM Industrial Mineral Reports	Yes	D.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	D.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	N.A.	D.M.
9	Newspaper Clippings File	No	D.M.
10	GSC Index to Publications	Yes	D.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	No	D.M.
12	OGS Index Maps	Yes	D.M.
13	Source Mineral Deposit Records (O.G.S.)	No	D.M.
14	Author - Subject Articles File	No	D.M.
15	Miscellaneous Papers: ODM & OGS	No	D.M.
16	ODM Geological Circulars: OGS Study Series	Yes	D.M.
17	ODM Preliminary Reports: ODM Bulletins	No	D.M.
18	ODM – OGS Open File Reports	Yes	D.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	N.A.	D.M.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.M.
21	OGS Mineral Potential Maps	Yes	D.M.
22	Aerial Photographs on file, Tweed	Yes	D.M.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite	△ fu. . . . . .Fuchsite	△ Ni. . . . . Nickel	△ st . . . . . .Stone
△ ank. . . . . .Ankerite	△ gn. . . . . .Galena	△ Nb . . . . . .Niobium	△ talc. . . . . .Talc
△ anna . . . . . Annabergite	△ gt. . . . . .Garnet	△ Pd . . . . . .Palladium	△ Te . . . . . .Tellurium
▲ ap. . . . . .Apatite	△ goe . . . . . .Goethite	△ peat . . . . . .Peat	△ td. . . . . Tetrahedrite
△ arg . . . . . Argentite	▲ Au . . . . . Gold	△ pent . . . . . .Pentlandite	△ th. . . . . .Thorite
△ As . . . . . .Arsenic	▲ gf. . . . . .Graphite	△ Pt. . . . . .Platinum	△ Th . . . . . .Thorium
△ asp . . . . . .Arsenopyrite	△ gl . . . . . Gravel	▲ py . . . . . .Pyrite	△ thuc . . . . . Thucholite
▲ asb . . . . . .Asbestos	△ gyp. . . . . .Gypsum	△ pyl . . . . . Pyrochlore	△ ti . . . . . Titanite
▲ ba. . . . . .Barite	▲ hem . . . . . Hematite	△ pyrl . . . . . .Pyrolusite	△ Ti. . . . . Titanium
△ be. . . . . .Beryl	△ il . . . . . Ilmenite	△ po . . . . . .Pyrrhotite	△ tour . . . . . .Tourmaline
△ Bi. . . . . .Bismuth	△ Fe . . . . . .Iron	△ q . . . . . .Quartz	△ trap . . . . . .Trap rock
△ bn . . . . . .Bornite	△ IF. . . . . Iron Formation	△ qcv. . . . .Quartz carbonate vein	△ W. . . . . Tungsten
△ brnn . . . . . .Brannerite	△ jas . . . . . Jasper	△ ra. . . . . .Radioactive minerals	△ uran . . . . . Uraninite
△ bruc . . . . . .Brucite	△ kaol . . . . . .Kaolinite (kaolin)	△ RE . . . . . .Rare Earths	▲ U . . . . . .Uranium
△ Cd . . . . . Cadmium	△ ky . . . . . Kyanite	△ sd. . . . . Sand	△ verm . . . . . .Vermiculite
△ calc. . . . . Calcite	△ Pb . . . . . Lead	△ sgl . . . . . Sand and gravel	△ Y . . . . . Yttrium
△ carb . . . . . .Carbonate	△ lim . . . . . Limonite	△ ss . . . . . .Sandstone	△ Zn . . . . . .Zinc
△ cel . . . . . .Celestite	△ Li. . . . . Lithium	△ scap . . . . . Scapolite	△ zr. . . . . Zircon
△ cc. . . . . .Chalcocite	△ mgst . . . . . .Magnesite	△ shee . . . . . .Scheelite	
▲ cp. . . . . Chalcopyrite	▲ mag . . . . . .Magnetite	△ serp . . . . . Serpentine	
△ ch. . . . . .Chert	▲ mc . . . . . Malachite	△ sh. . . . . .Shale	
△ clay . . . . . .Clay	△ Mn . . . . . Manganese	△ sid . . . . . Siderite	
△ Co . . . . . Cobalt	▲ mb . . . . . .Marble	△ si . . . . . .Silica	
△ cob. . . . . Cobaltite	△ mar. . . . . Marcasite	△ Ag . . . . . .Silver	
△ cb. . . . . .Columbite	△ ma . . . . . .Marl	△ sl . . . . . Slate	
△ Cu . . . . . .Copper	▲ mi . . . . . Mica	△ sm . . . . . .Smaltite	
▲ cor . . . . . Corundum	△ ml . . . . . Millerite	△ sod. . . . . Sodalite	
△ dol . . . . . Dolomite	▲ mo . . . . . Molybdenite	△ spec . . . . . Specularite	
△ ep. . . . . Epidote	△ Mo . . . . . .Molybdenum	△ sp. . . . . .Sphalerite	
△ ery . . . . . Erythrite	△ mon . . . . . Monazite	△ spd. . . . . .Spodumene	
▲ fel . . . . . .Feldspar	△ ne. . . . . Nephelite (nepheline)	△ staur. . . . . Staurolite	
▲ fl . . . . . .Fluorite (fluorspar)	△ nc. . . . . .Niccolite	△ stib. . . . . Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Oso Barite Con. I, Lot 20	ba		OGS 1963,IMR10,p.26	Can. Dept. Mines 1922 Mines Br. No. 570, p.51
B	Brash, E. Con. V, Lot 1 (N½)	mi		OGS 1968,MRC8,p42-43	OGS 1964,GC12,p.17+Map 2054 OGS 1947,AR Vol.56,PT.6,p.75 NMI File 31C/10, Mica 38 OGS Map 1947-5
C	Bourk, R. T. Con. I, Lot 23	Au,cp,py mc		OGS 1979,MDC18,p.41	OGS 1947,AR Vol.56,PT.6,p.58 OGS Map 1947-5
D	Clements, George Con. I & II, Lot 8	mi		OGS 1968,MRC 8,p.41	OGS 1964,GC12,p.17+ Map 2053 OGS 1947, AR Vol.56,PT. 6, p. 74-75 NMI File 31C/10,Mica35,36,37 OGS Map 1947-5
E	Cook, Tom Con. VII, Lot 2, 3	mi, ap		OGS 1968,MRC 8,p.44 OGS 1967,MRC 6,p.39	OGS 1964,GC12,p.17 + Map 2054 OGS 1947,AR Vol.56,PT.6,p.76-77 NMI File 31C/10,Mica 40 Can.Dept.Mines 1912,#118,p163 OGS Map 1947-5
F	C.P.R. Right-of-way Con. VI, Lot 16	ba		OGS 1963,IMR10,p. 25, 26	OGS 1964,GC12,p.16 + Map 2054 OGS 1947,AR Vol.56,PT6,p.41 OGS Map 1947-5
G	Crain, J. Con. IV, Lot 31 (continued)	cp,py,mc			OGS 1947,AR Vol.56, PT.6

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H	Crawford, J. Con. I, Lot 24	ba,cp,fl		OGS 1963,IMR 10, pg. 25, 26	OGS 1964,GC12,p.16 + Map 2053 OGS 1947,AR Vol.56,PT.6,p40-41 OGS Map 1947-5 GSC Paper 69-50 Mines Br. Rept.570,1922,p.51
I	Crow Lake Con. V, Lot 2	mi, ap		OGS 1968,MRC8,p.43 OGS 1967,MRC6,p.38	OGS 1964,GC12,p.17 + Map 2054 OGS 1947,AR Vol.56,PT.6,p.76 OGS Map 1947-5 NMI File 31C/10,Mica 39 GSC Mines Br.Rept.701,1929, p. 72 GSC Paper Sep.Rept.881,1904
J	Dodds, David J. Con. IV, Lot 20 (E½)	Au			OGS 1947,AR Vol.56,PT.6, Con. IV, Lot 20 E½
K	Duffy, Mrs. T. Con. V, Lot 11	asb			OGS 1947,AR Vol.56,PT.6 GSC Paper 69-45, 1970 NMI File 31C/15, Asb 1
L	Fall River Road Con. VI, Lot 11	cor			OGS 1964,GC12,p.17 + Map2054 OGS 1947,AR Vol.56,PT6,p.46 OGS Map 1947-5 Mines Br.Rept.675,1927,p.19 GSC Mem.57, 1915, p.191
M	Ferguson, D. Con. VI, Lot 29 (continued)	Au			OGS 1947,AR Vol.56,PT.6

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
N	Crain, Andrew Con. V, Lot 31	hem			OGS 1947, AR Vol.56,PT. 6
O	Gray, Elwood Con. V, Lot 10	fel		OGS 1967,IMR21,p.19	OGS 1964,GC12,p.17 + Map 2054 OGS 1947,AR Vol.56,PT.6,p.48 OGS Map 1947-5 NMI File 31C/10 Psh 1 Mines Br. Rept.401,1916,p.17
P	Gray, Ross Con. VII, Lot 12 (SW½)	mi		OGS 1968,MRC 8,p.48	OGS 1964,GC12,p.17 + Map 2054 OGS 1947,AR Vol.56,PT6,p.77 OGS Map 1947-5 NMI File 31C/15, Mica 4
Q	Hollywood, Tom (St. George Lake Mine) Con. I, Lot 6	ap		OGS 1967,MRC6,p.38	OGS 1964,GC12,p.16 + Map 2053 OGS 1947,AR Vol.56,PT6,p.34 OGS Map 1947-5 Goodwin, 1929 Mines Br.Rept.396,1920,p.48-49 GSC Paper Sep.Rept.881, 1904 Royal Comm. 1890,p.172
R	Larman, Henry Con. V, Lot 25	py			OGS 1947, AR Vol.56, PT.6
S	McCrimmon, Dan Con. II, Lot 5	mi		OGS 1968,MRC 8,p.41	OGS 1964,GC12,p.17 + Map 2053 OGS 1947,AR Vol.56,PT6, p.74 OGS Map 1947-5 NMI File 31C/10,Mica 36 GSC Sep.Rept.869,1904,p. 29
	(continued)				

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
T	MacDonnell, Harry Con. V, Lot 26	py			OGS 1947,AR Vol.56,PT. 6
U	MacPherson, George Con. V, Lot 23	py			OGS 1947, AR Vol.56,PT.6
V	McVeigh, R. Con. IV, Lot 18 (W½)	Au,py		OGS 1979,MDC18,p42	OGS 1947,AR.Vol.56,PT6,p58-59 OGS Map 1947-5
W	Morrow, Andrew Con. II, Lot 15 (E½)	Au,py,gf		OGS 1979,MDC18, p.41-42	OGS 1947,AR.Vol.56,PT6,p.58 OGS Map 1947-5
X	Oso Con. II, Lot 17	mb			DEMR/CANMET1938#781,p73,75,76 OGS 1947,AR.Vol.56,PT.6,p16-20 Map 2053, Madoc Area
Y	Palmer, Thomas Con. VII, Lot 7, 8	cor			OGS 1964,GC12,p.17 + Map 2054 OGS 1947,AR.Vol.56,PT.6,p.46 NMI File 31C/15,#070451 & #070452 Con. VII, Lot 8, 7
Z	Sharbot Lake Con.VI, Lot 14	mb		OGS 1964,IMR13,p16 + Map 2059 OGS 1964,IMR16, p.58-60	OGS 1947,AR Vol.56,PT6,p16-20 OGS Map 2053, Madoc Area GSC Paper 69-50,p.83-84
	(continued)				

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
a	Silver Lake Con. VI, Lot 14	ap, mag		OGS 1967,MRC p.39	GSC Paper 69-45, 1970 OGS 1964,GC12,p.16 + Map 2054 OGS 1947,AR Vol.56,PT6,p34-35 OGS Map 1947-5 NMI File 31C/15, PHS 1 GSC Paper 69-50,p.82-3 Dept.Mines Rept.396, p.49 GSC Paper Sep.Rept.881, 1904
b	Tysick, Duncan Con. VI, Lot 27	Au,py		OGS 1979,MDC18,p42	OGS 1947,AR Vol.56,PT.6,p.60 OGS Map 1947-5
c	Webster, Tom Con. V, Lot 13	mi		OGS 1968,MRC8,p43-44	OGS1964,GC12,p.17+Map 2053 OGS 1947, AR Vol.56,PT.6,p.76 OGS Map 1947-5 NMI File 31C/15, Mica 3
d	Young, John Con. V, Lot 24	py			OGS 1947, AR Vol. 56, PT.6
e	Young, Myron Con. I, Lot 3 (E½)	gf		OGS 1965,IMR20,p16	OGS 1964,GC12,p.17+ Map 2053 OGS 1947,AR Vol.56,PT6,p.61 OGS Map 1947-5
f	Con. II, Lot 30 (NW¼)	U			AFRO 1976, Oso Twp, 63.3449 AFRO 1968, Oso Twp, DHR 11
g	Con. IV, Lot 12 (Fred Reid)	mi		OGS 1968, MRC 8	OGS 1947,AR Vol.56,PT.6,p.75 NMI File 31C/15, Mica 1
	(continued)				

GDIF FORM NO.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
h	Con. IV, Lot 13 (Timmerman)	mi		OGS 1968, MRC 8	OGS 1947, AR Vol.56,PT6,p.75 NMI File 31C/15, Mica 2
i	Con. IV, Lot 19	gf		OGS 1965,IMR 20,p.16	OGS 1964,GC12,p.17 +Map 2053 OGS 1947,AR Vol.56,PT.6,p.61 OGS Map 1947-5
j	Con. V, Lot 31	hem			OGS 1947, AR Vol.56, PT.6 NMI File 31C/15, Fe 2
k	Con. VII, Lot 2 and 3	mi			OGS 1947, AR Vol.56, PT.6 NMI File 31C/10, Mica 41
l	Con. I, Lot 25 Con.VI , Lot 16	ba			OGS 1947, AR Vol.56, PT. 6 Econ.Geol.Vol.6,1929, p.78 Mines Br.Rept.570,1922,p.51
m	Con. V, Lot 15	mag			GSC Mem.74, 1915, p.149 GSC AR.Vol.13,1900, p.30 GSC AR.Vol.12,1899, p.44
n	Corak Showing Con. II, Lot 15	mo			NMI File 31C/15, Mo 2 Min.Res.Branch Resource file: MR-Mo-301.00 Map 1947-5,Olden-Bedford Area

GDIF FORM NO. 1

OSO TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TWEED COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Cremac Surveys Co. Ltd. AFRO file: 10				59															
2	Guardian Mines Ltd. AFRO file: 63.2427 AFRO file: 11				68									68						
3	Keevil Mining Group AFRO file: 63.2646 AFRO file: 63A.569	69-70									69			69 69-70						
4	Mid-East Dev. Ltd. AFRO file: 63.3449	76			76									76						

GDIF FORM NO. 2

10 OSO TOWNSHIP

DRILL HOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drill Hole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Cremac Surveys Co. Ltd.	1	1959	N70W	-45	6	400	py,po,cp	Ni,Cu,Au
2	" "	2	1959	N60W	-45	8	304	py,po,cp	Ni,Cu,Au
3	Guardian Mines Ltd.	1	1968	N30W	-45	-	101		U_3O_8
4	" "	2	1968	N30W	-45	-	47		U_3O_8
5	" "	4	1968	N30W	-45	-	43		U_3O_8
6	" "	5	1968	N30W	-45	-	59		U_3O_8
7	" "	6	1968	N30W	-45	-	55		U_3O_8
8	" "	7	1968	N30W	-45	-	70		U_3O_8
9	" "	8	1968	N30W	-45	-	155		U_3O_8
10	" "	9	1968	N30W	-45	-	139		U_3O_8
11	" "	10	1968	N30W	-	-	-		U_3O_8
12	" "	11	1968	N30W	-45	-	98		U_3O_8
13	" "	12	1968	-	-90	-	116		U_3O_8
14	" "	23	1968	-	-90	-	-		U_3O_8
15	" "	24	1968	N45W	-90	-	275		U_3O_8
16	" "	25	1968	N45W	-	-	-		U_3O_8
17	" "	26	-	-	-90	-	-		U_3O_8
18	" "	27	1968	N45W	-	-	-		U_3O_8
19	" "	28	1968	N30W	-	-	-		U_3O_8
20	" "	29	1968	N45W	-45	6	204		U_3O_8

GDIF FORM NO. 3

OSO TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
3	- by Geophysical Engineering and Surveys Ltd. - for Keevil Mining Group Ltd. - 1969	airborne radiation detector	150 feet	NW-SE	1/16 mile

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

OSO TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kemptville, Ontario.

GDIF FORM NO. 7

OSO TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched: OSO TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	Oso Township			
	Apatite	R.C.		172,439
		9		194
	Barytes	R.C.		53
	Corundum	8		205, 227 & 228
	Feldspar, prospecting	14	(i)	81,83
	Gold prospecting	5		265
	Igneous rocks	8		225
	Iron ore	2		37,46
	mining	5		275& 276
	Limestone, crystalline	2		45
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G.S.C.	1981	Aeromagnetic Maps - Oso Township	69G, 8380G	1"=1 mile
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O.G.S.	1973	South Ontario Physiography - South Eastern	Map 2227	
		MINERAL POTENTIAL MAPS		
Springer, Janet	1978	Ontario Mineral Potential, Kingston and Part of the Ogdensburg Sheets, Mineral Deposits Series	OGS Map P.1505	1:250,000

GDIF FORM NO. 9

OSO TOWNSHIP

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		GEOLOGICAL REPORTS AND MAPS		
Guillet, G. R.	1963	Barite in Ontario	OGS IMR No. 10	
Hewitt, D. F.	1964	Limestone Industries of Ontario 1958-1963	OGS IMN No. 13 Map 2059	
Hewitt, D. F.	1964	Building Stones of Ontario, Part III, Marble	OGS IMR No. 16	
Hewitt, D. F.	1965	Graphite in Ontario	OGS IMR No. 20	
Hewitt, D. F.	1967	Pegmatite Mineral Resources of Ontario	OGS IMR No. 21	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		

NOTES AND ADDENDA

Aerial Photographs on File, Tweed

Scale 1" = ¼ mile

Year	Roll Number	Flight Line	Photo Numbers
1978	131	4450	54 - 58
1978	143	4451	121 - 131
1978	157	4452	88 - 100
1978	162	4453	144 - 156
1978	163	4454	206 - 228
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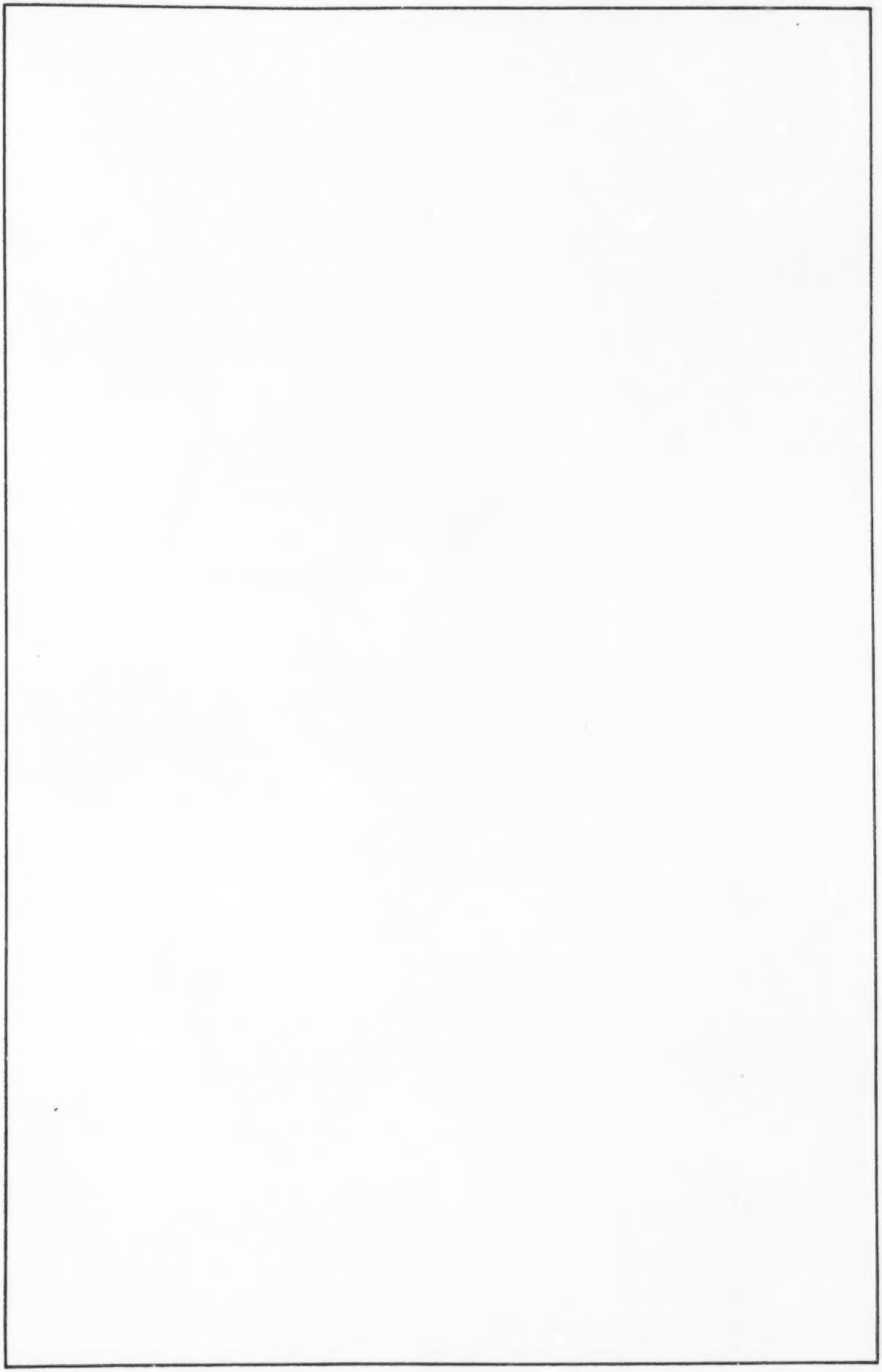
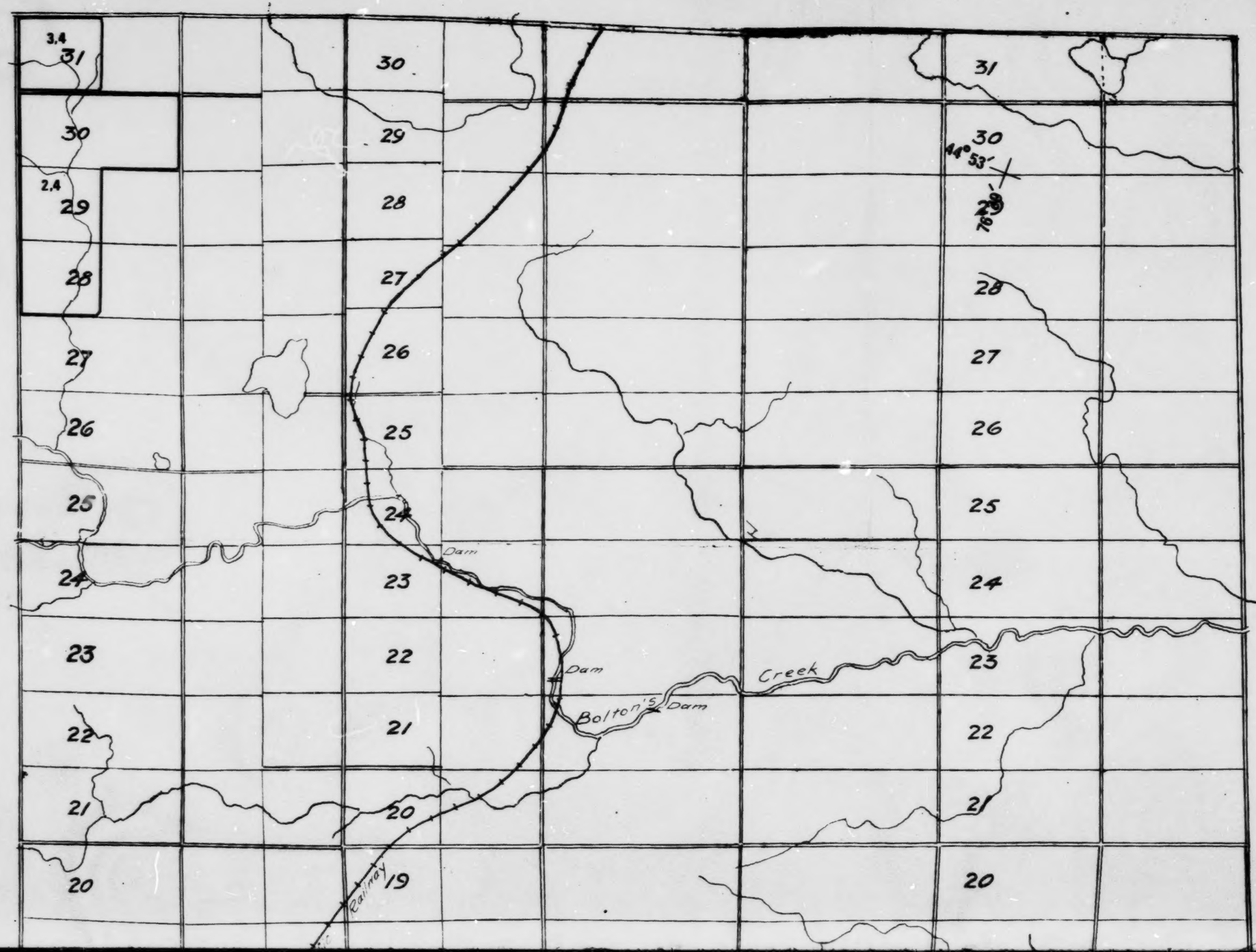
1978	189	4458	165 - 179
1978	190	4459	117 - 139
1978	194	4460	40 - 49
1978	186	4461	191 - 206
1978	77	4462	78 - 81



OSO TOWNSHIP

PALMERSTON



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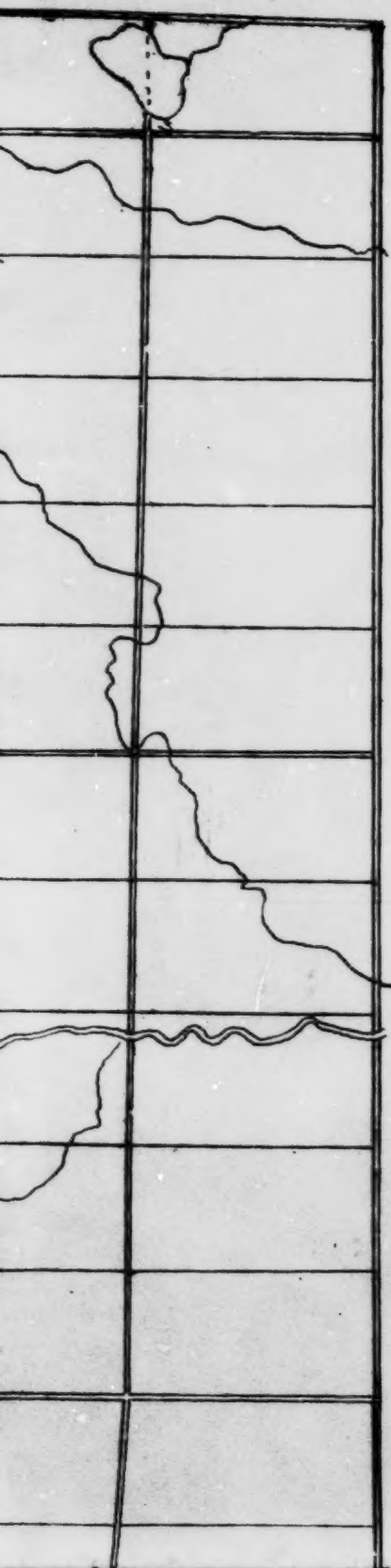


Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

(Map 1 of 2 .)

to accompany **GEOLOGICAL DATA**

INVENTORY FOLIO 95

OSO TOWNSHIP

FRONTENAC COUNTY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

OLDEN

SHARBOT LAKE

SHARBOT LAKE

SILVER LAKE

FALL RIVER

LAKE

Bolton's Dam

Dam

Creek

Canadian Pacific Railway

Canadian Pacific Railway

Dam

Dam

Dam

Fall

EXPLORATIO

Reference nu
See listing in

Small area of

EXPLORATION DATA FILE AREAS

☒ ① ③ Reference number is always inside work area outlined. See listing in text pages

☐ x ④ Small area of exploration data.

☐

SHARBOT LAKE

SHARBOT LAKE

LAKE

FALL RIVER

LAKE

LAKE

ROCK L.

SUCKER L.

LAKE

CROW LAKE

Dam

Dam

Dam

Dam

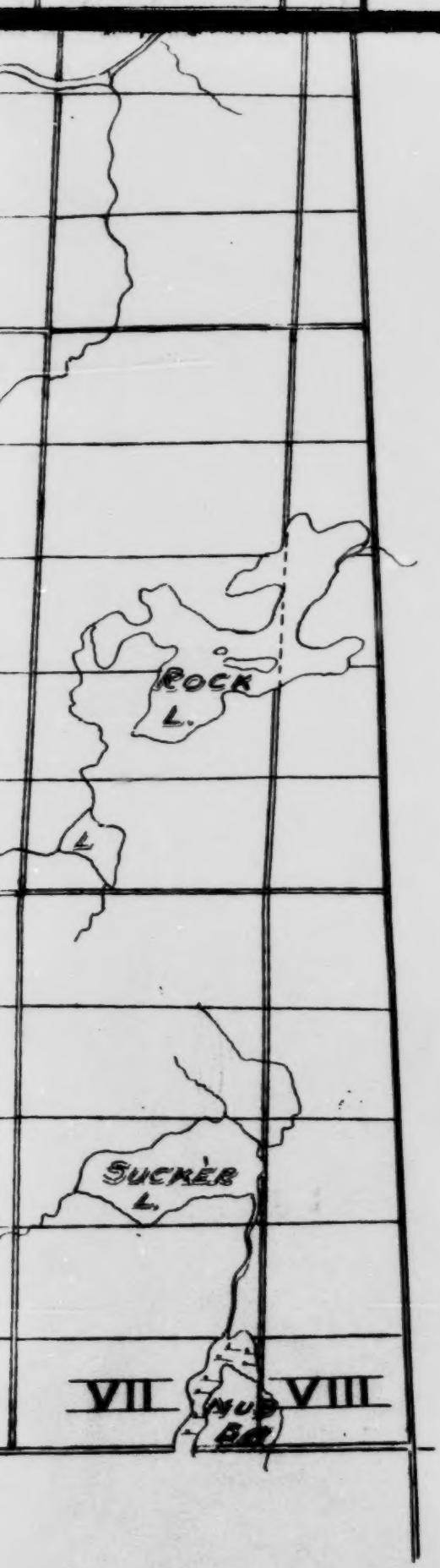
Fall

76°-59'

44°43'

I II III IV V VI VII VIII

BEDFORD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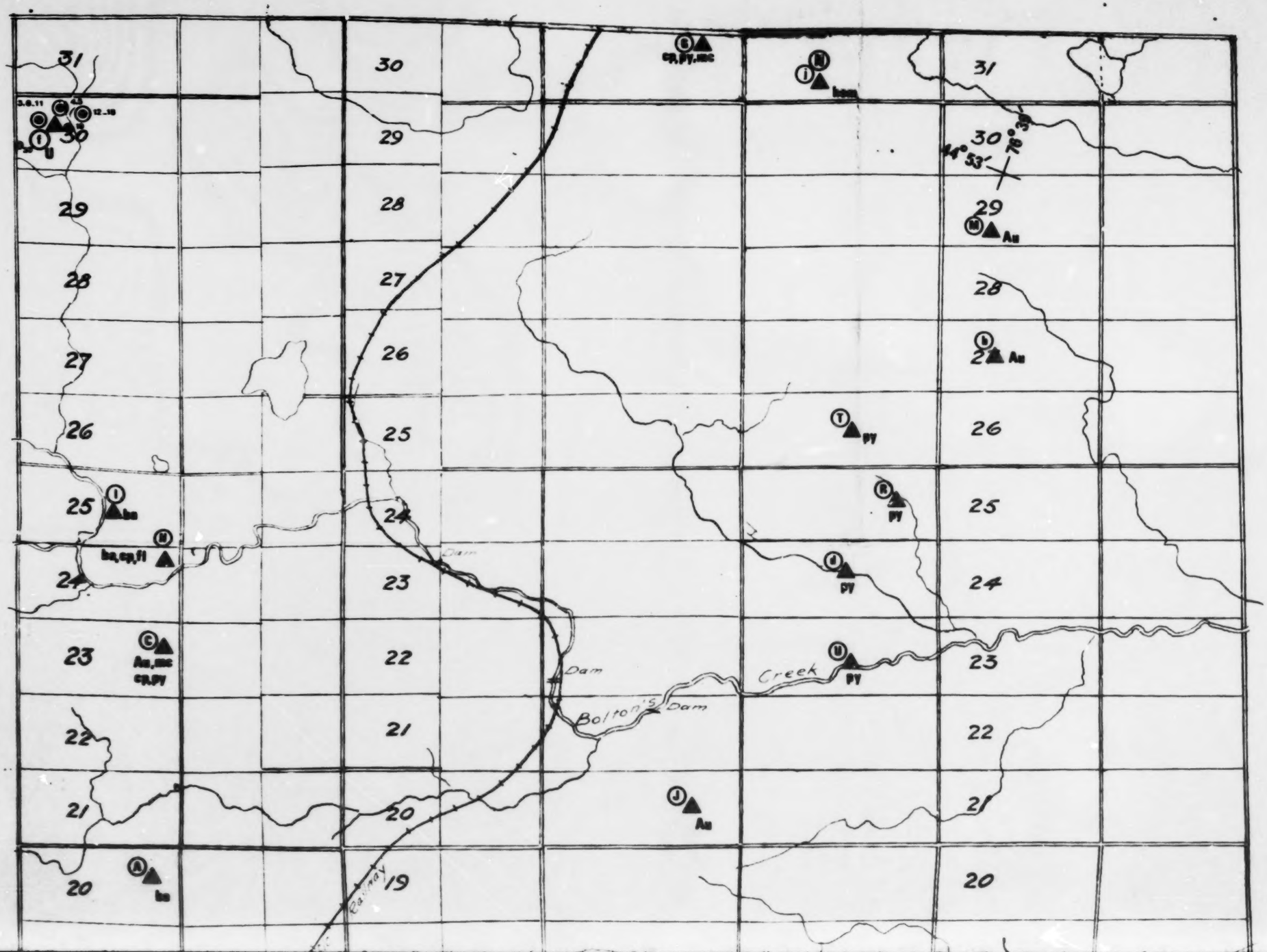
PALMERSTON



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Mineral occurren reference letter

Mineralized Floa

Ontario Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
Map to Accompany GEOLOGICAL DATA
INVENTORY FOLIO 95

OSO TOWNSHIP

FRONTENAC COUNTY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP (Map 2 of 2.)

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

OLDEN

SHARBOT LAKE

SILVER LAKE

FALL RIVER

Canadian Pacific Railway

Bolton's Dam

Creek

Dam

Dam Fall

Dam

Dam

Dam

LAKE

LAKE

LAKE

SHARBOT LAKE

GEOLOGICA

TYPES OF DATA SHOWN ON THIS

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GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP (Map 2 of 2.)

MINERAL OCCURRENCES

- ☒ Mineral occurrence at surface, with reference letter
- ☐ Mineral occurrence with shaft, depth given with reference letter
- ☐ Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ Mineralized Float with reference letter
- ☐

DRILL HOLES

- ☒ Location of single drill hole, with reference number
- ☒ Location of closely spaced group of drill holes, with reference number
- ☐ Drill hole, exact location uncertain, with reference number.
- ☐ Property with underground drill holes in this general area, with reference number
- ☐ Property with drill holes which have not been plotted on map, with reference number
- ☐ Reverse Circulation Drill Hole; Churn drilling, with reference number
- ☐

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number
- ☐

GEOPHYSICAL ANOMALIES

- ☐ Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ Airborne Radiometric Anomaly

☐ Age dating material sampling site, with reference number

SHARBOT LAKE

SHARBOT LAKE

FALL RIVER

LAKE

CROW LAKE

SUCKER L.

ROCK L.

Dam

Fall

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Airborne Radiomet

Ground Magnetom

Ground Electroma
(VL - Vertical Loo
VLF - Very low fr
Crone EM - 16)

Ground Radiometri

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(total intensity)

Resistivity Anomal

Gravity Anomaly

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Trenching, pit

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Open pit

NOTE: Consult the text
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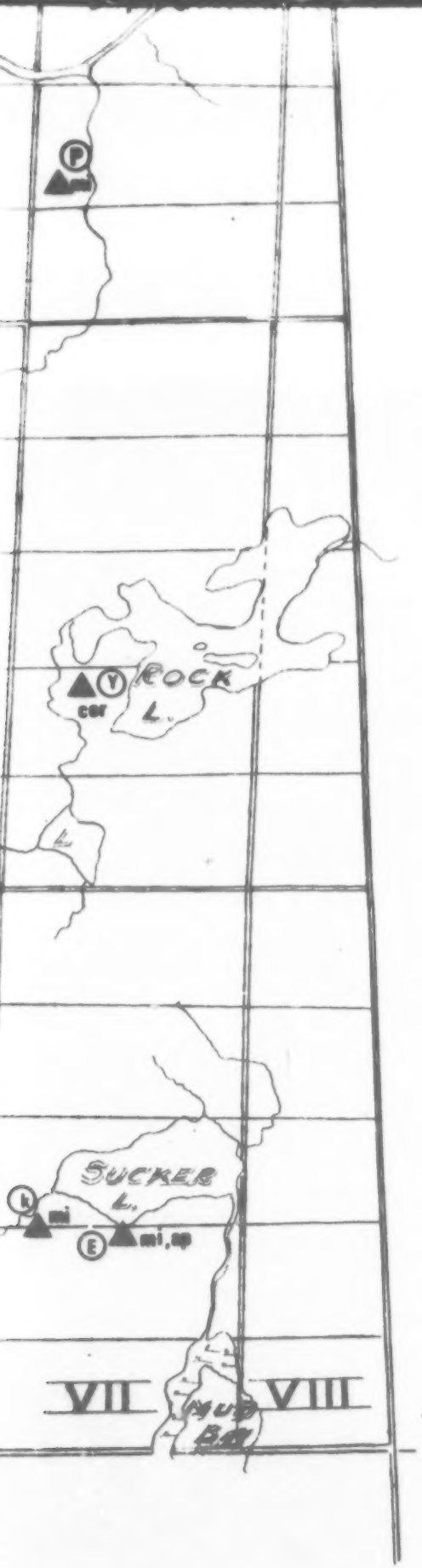

Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- SP — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly
  (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.